Field Training (1)

Field training for pharmacy student

Dr: Abdulnaser Alshami

1st Edition

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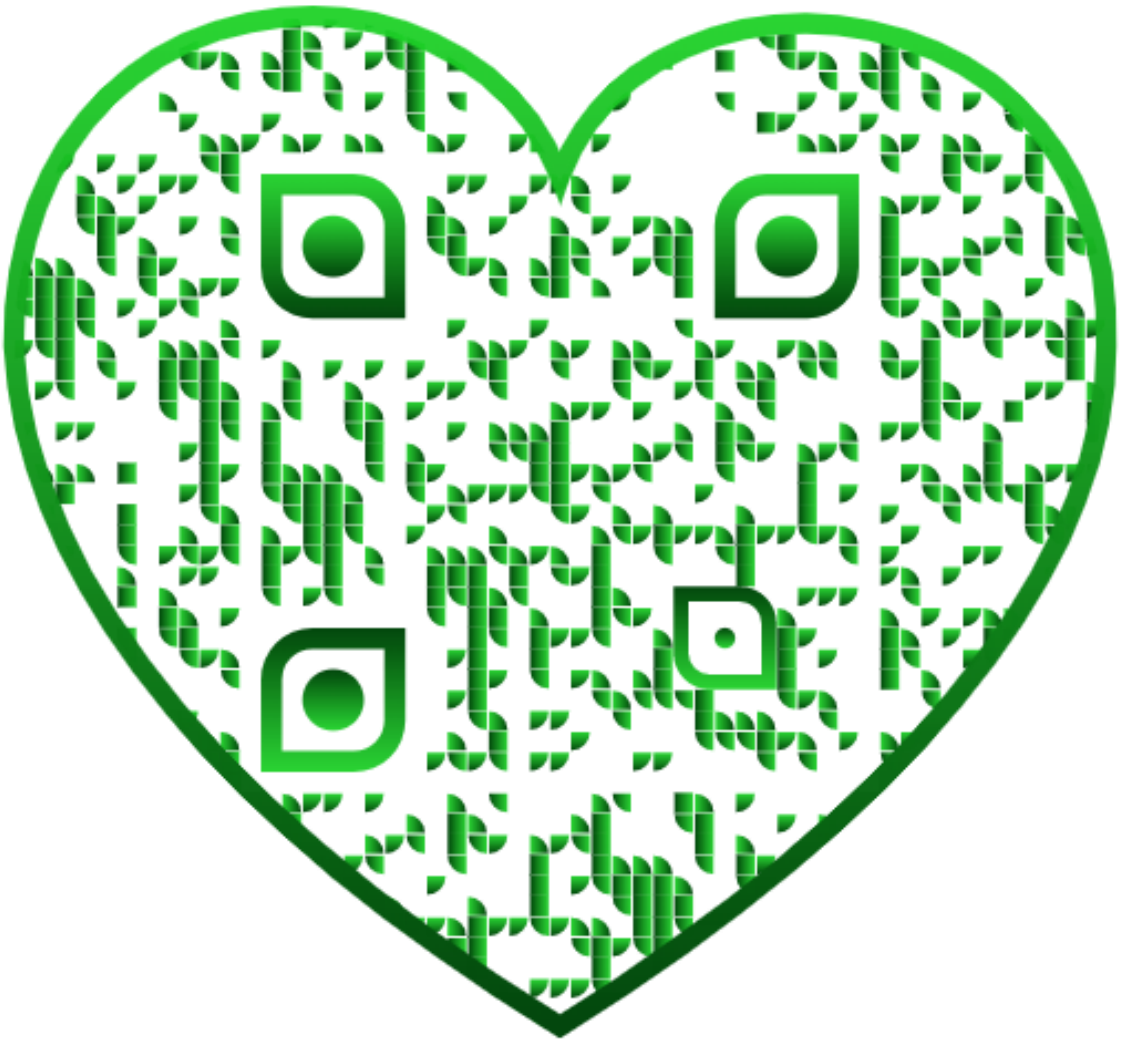

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Dr.Abdulnaser Alshami

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Peptic ulcer disease and Reflux Esophagitis

Definition: ulceration of the e duodenum or stomach due to to imbalance between invasive force (e.g. HCl and pepsin) and protective mechanisms.

Classification Drugs That Used For Treatment of P.U

1) Antacids (Acid Neutralizing agents)

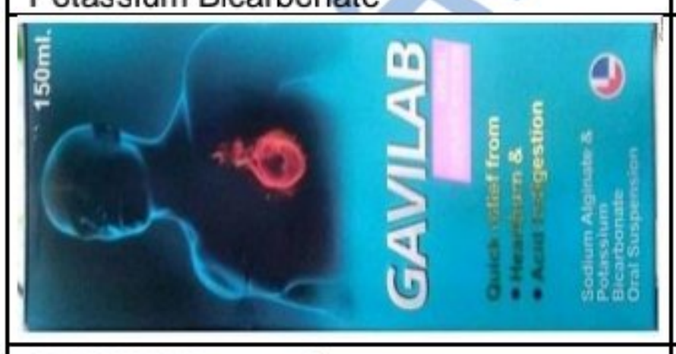
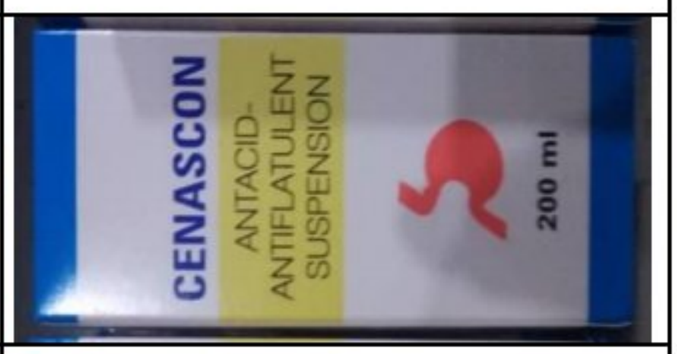
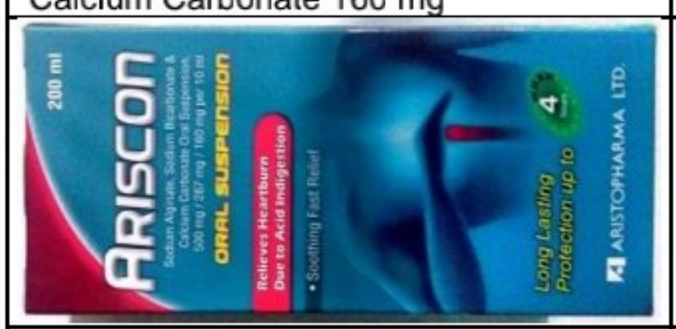
a. **Systemic:** Sodium Bicarbonate and Sod. Citrate

b. **Nonsystemic:** Magnesium hydroxide, Mag. Treisilicate, Aluminium hydroxide gel and calcium carbonate

Drugs mixed with antacid

a) **Simethicone:** ↓ surface tension thereby ↓ bubble formation and prevent reflux

b) **Alginates**: Form a layer of foam on top of gastric contents & reduce reflux.

GAVISCON ORIGINAL ANISEED Suspension	**GAVISCON ADVANCE Suspension PEPPERMINT FLAVOUR**	**Gaviscon Extra strength 500 PEPPERMINT Chewable tab**
Sodium Alginate 250 mg Sodium Bicarbonate133.5 mg Calcium Carbonate 80 mg	Sodium Alginate 500 mg Potassium hydrogen Bicarbonate 100 mg	Sodium Alginate 500 mg Sodium Bicarbonate 267 mg Calcium Carbonate 160 mg
Gavelab Suspension	**GAVISCAL Suspension**	**CENASCON Suspension**
Each 5 ml contain Sodium Alginate Potassium Bicarbonate	Each 5 ml contain Sodium Alginate 250 mg Sodium Bicarbonate 133.5 mg	
		
ARISCON Suspension	**DEBESKON Suspension**	
Each 10 ml contain Sodium Alginate 500 mg Sodium Bicarbonate 267 mg Calcium Carbonate 160 mg		
		
Gaviscon double action	**NEWCON**	**Progavi**

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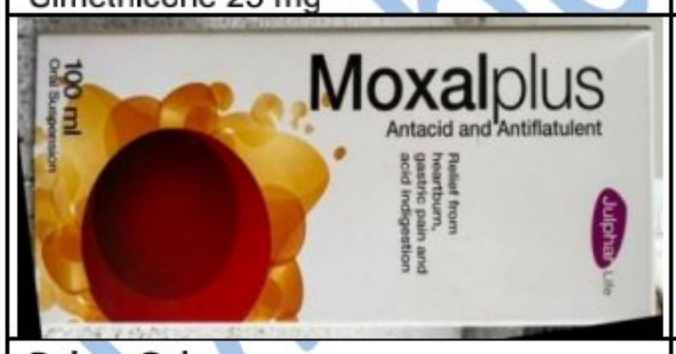
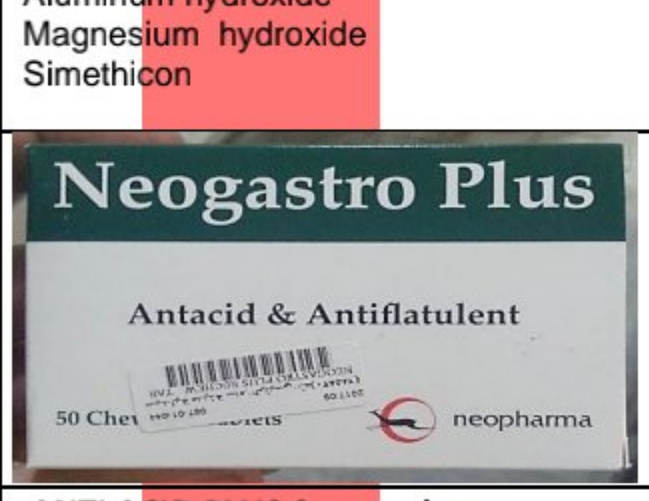
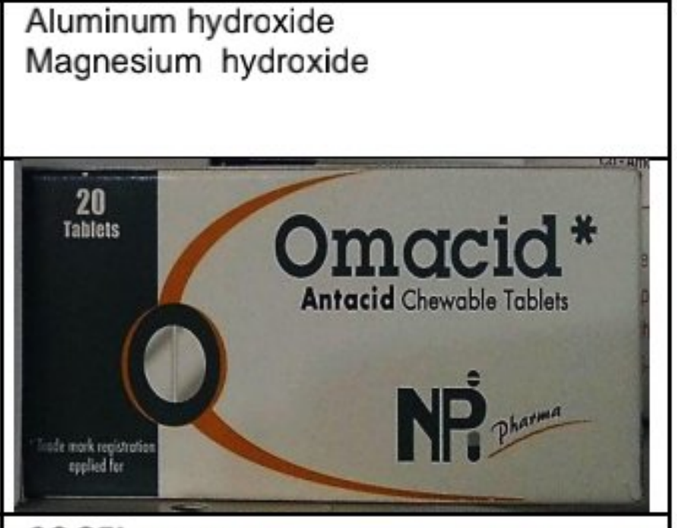
	DOUBLE ACTION Oral suspension	**DOUBLE ACTION Oral suspension**
Each 10 ml contain Sodium Alginate 500 mg Sodium Bicarbonate 213 mg Calcium Carbonate 325 mg	Each 10 ml contain Sodium Alginate 100 mg Sodium Bicarbonate 213 mg Calcium Carbonate 325 mg	Each 10 ml contain Sodium Alginate 500 mg Sodium Bicarbonate 213 mg Calcium Carbonate 325 mg
NEWCON DOUBLE ACTION Suspension	**MUNALS DOUBLE ACTION Suspension**	
Each 10 ml contain Sodium Alginate 100 mg Sodium Bicarbonate 213 mg Calcium Carbonate 325 mg	Each 10 ml contain Sodium Alginate 500 mg Sodium Bicarbonate 213 mg Calcium Carbonate 325 mg	
Maalox susp	**Maalox plus susp**	**Rennie chewable tab**
Magnesium Hydroxide Aluminum Oxide Aluminum Hydroxide	Each 5 ml conains aluminum hydroxide225 mg magnesium hydroxide200 mg simeticone 25 mg	Calcium Carbonate 680 mg Mg Carbonate 80 mg
Moxalplus Suspension	**Trisil plus Suspension**	**ALUGAS P.D Suspension**
AL hydroxide gel 215 mg Mg hydroxide 80 mg Simethicone 25 mg	AL hydroxide gel 215 mg Mg hydroxide 80 mg Simethicone 25 mg	Aluminum hydroxide 2000 mg Magnesium hydroxide 306 mg Simethicone 30 mg
		
Relcer Gel	**NEOGASTRO PLUS Chewable tab**	**Omacid Chewable tab**
AL hydroxide 365 mg Ma hydroxide 80 mg Simethicone 100 mg Deglycyrrhizinated liquorice 400 mg	Aluminum hydroxide Magnesium hydroxide Simethicon	Aluminum hydroxide Magnesium hydroxide
		
Antagit Chewable tab	**ANTI ACID PLUS Suspension**	**COGEL syrup**
Aluminum hydroxide Magnesium hydroxide Simethicon	Aluminum hydroxide Magnesium hydroxide Simethicon	Each 100 ml Aluminum hydroxide 2000 mg Magnesium hydroxide 500 mg

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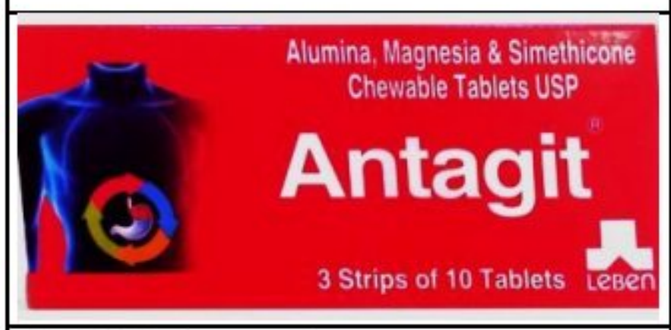
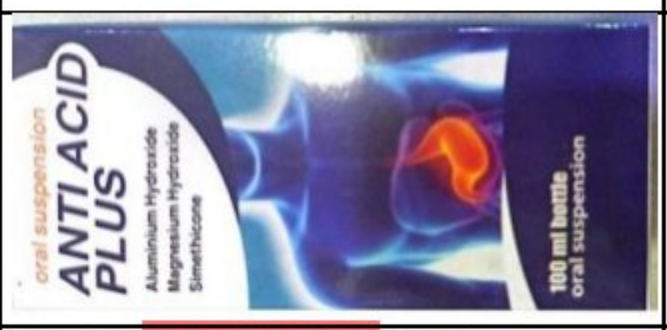
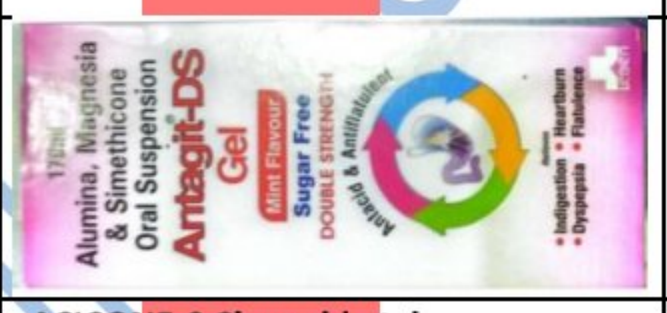
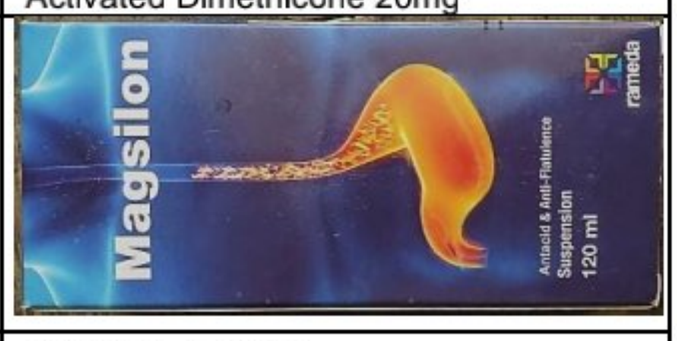
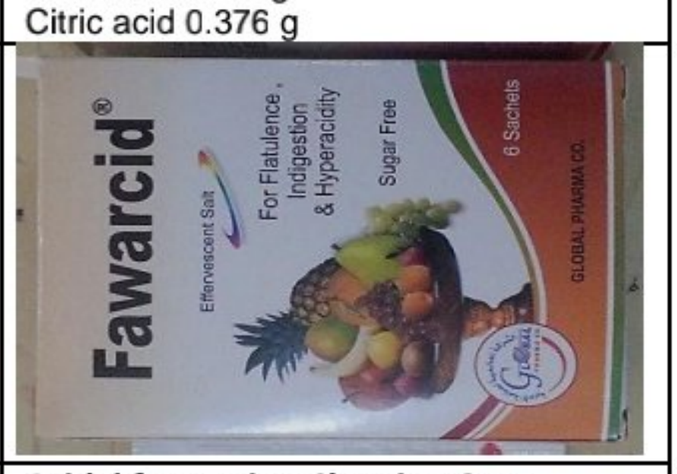
		Simethicon 200 mg
		
ALKASID Suspension	**EPICOGEL Suspension 125ml**	**ALLEDROX gel**
Magnesium Aluminum slicate 300 mg Simethicon 30 mg	AL hydroxide gel 8.1 g Mg hydroxide 2 g Dimethicone 2.5 g	Aluminum hydroxide 810 mg Magnesium hydroxide 180 mg Dimethicone 50 mg
MASICONHEAL-S Suspension	**Burn stop plus Suspension**	**Galmagel 15mL Suspension**
Alumina, Magnesia &Simethicone	Aluminum hydroxide 250 mg Magnesium hydroxide 250 mg Simethicone 50 mg	(Almagate 1 5g)
Gastralgin Suspension	**Antagit-DS Suspension**	**ALUMINIUM HYDROXIDE Suspension**
Each ….. ml contain Aluminum hydroxide 200 mg Magnesium hydroxide 200 mg Simethicon 25 mg	Aluminum hydroxide Magnesium hydroxide Simethicon	
		
ACICONE-S Suspension	**ACICONE-S Chewable tab**	**Magsilon Suspension**
Magaldrate 540 mg (antacid) Simethicone 40 mg	Megaldrate 720 mg Simethicone 25 mg	Each 5 ml contain Magaldrate 400mg Activated Dimethicone 20mg
		
FAWAR FRUIT sachets	**PHAROFRUIT sachets**	**Fawarcid sachets**
Sob bicarbonate 2.80 g Tartaric acid 1.33 g Citric acid 0.82 g	Sob bicarbonate 2.65 g Tartaric acid 1.202 g Citric acid 1.102 g	Sodium bicarbonate 2.5g Tartaric acid 1.1g Citric acid 0.376 g
		
FRUITAMIN sachets	**ANWIFROTE sachets**	**Acidal fast action Chewing Gum**
Sob bicarbonate 2.5 g Tartaric acid 1.1 g Citric acid 0.376 g	Sob bicarbonate 2.80 g Tartaric acid 1.33 g Citric acid 0.82 g	

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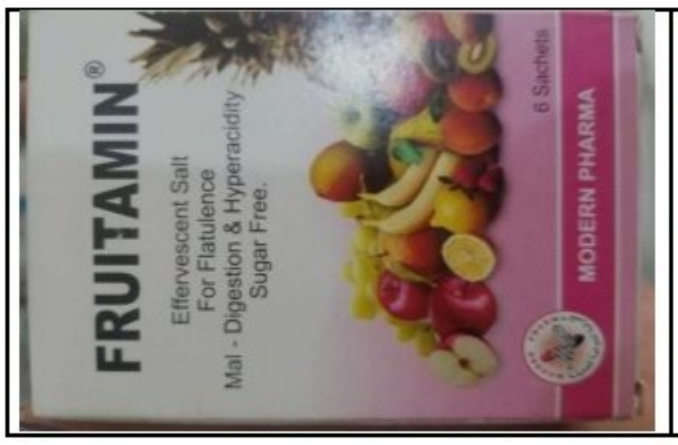

2) Enhancing mucosal defensse mechanisms

a. Sucralfate

It is an aluminum salt of sulfated sucrose.

it should be avoided in renal failure.

Uses: NSAID induced ulcers

Dose: 1 gm 1 hr before meals

Sucrate 1 g / 5 ml Gel	**SUCRAMAL 1 g Susp**	**GASTROFAIT 1 mg Tab**
Cralfate 1g \ 10 ml Suspension		

b. Bismuth compounds:

Bismuth subsalicylate and subcitrate

Contraindications: Chronic renal failure and CNS diseases.

Bismuth subsalicylate 262 mg		
Bizmopen 262 mg tablets	**Bizmopeptol 262 mg tablets**	
Bismuth subsalicylate 120 mg		
De-Nol 120 mg tablets	**Bismuth subcitrate 40 mg tablets**	

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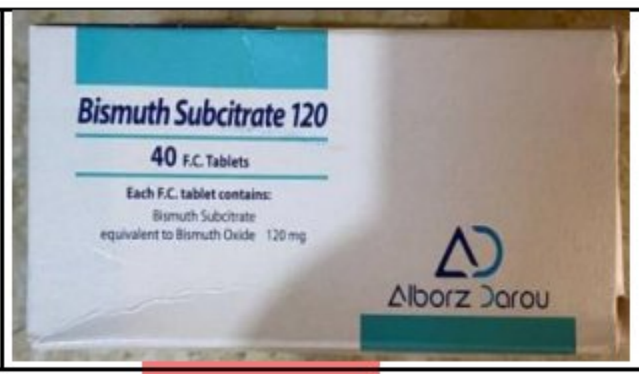
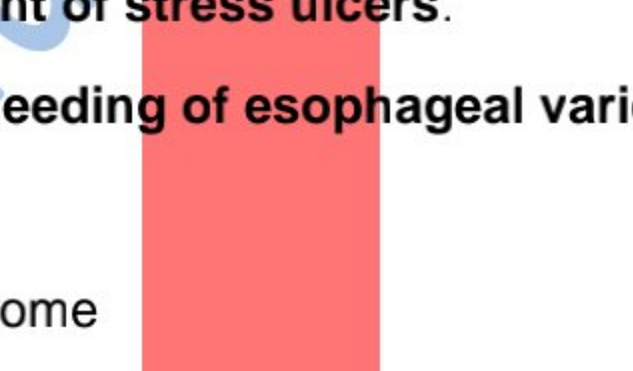


c. Prostaglandin analogues (PGE1): Misoprostol

Therapeutic uses:

Prevention of NSAID-induced mucosal injury (rarely used because it 4 times daily)

Rebamipide 100 mgtablets		
ULSOREST 100 mg tablets	**Costareb 100 mg tablets**	
		

3) Reduction in Gastric acid secretion:

a. H2 Antagonists

Famotidine

Therapeutic uses

- **Duodenal and gastric ulcers.**
- **Prophylaxis & treatment of stress ulcers**.
- **Prophylaxis against bleeding of esophageal varices**.
- **Reflux esophagitis**.
- **Zollinger-Ellison** syndrome
- With ulcerogenic drugs (e.g. NSAIDs) to protect the gastric mucosa from injury.

Precautions of H2 blockers

Avoid sudden withdrawal to prevent rebound ulceration.

	Famotidine
Duration of action:	24 h
Dose:	20 mg/day for 6-8 weeks then 10 mg/day for 6-8 months

Famotidine
Famotidine 40 mg tab

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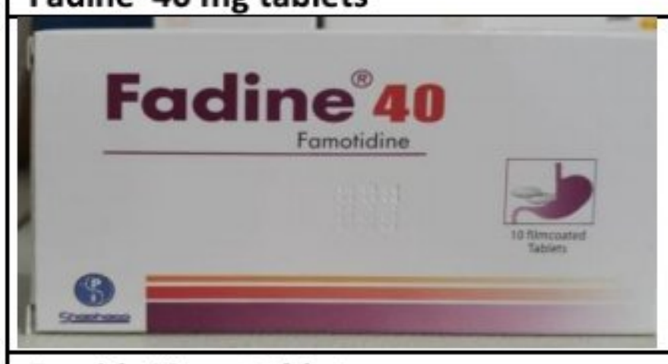
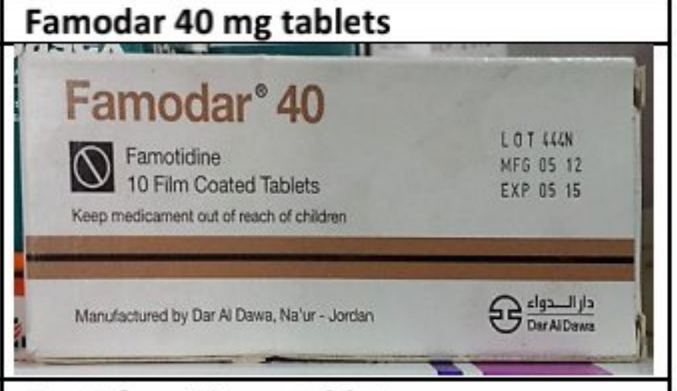
Fadine 40 mg tablets	Famotak 40 mg tablets	Famodar 40 mg tablets
		 Famodar® 40 Famotidine 10 Film Coated Tablets LOT 444N MFG 05 12 EXP 05 15 Keep medicament out of reach of children Manufactured by Dar Al Dawa, Na'ur - Jordan دار الدواء Dar Al Dawa
Famid 40 mg tablets	**Zedex 40 mg tablets**	**Zantafam 40 mg tablets**
Antodine 40 tab		
Famotidine 20 mg tablets		
Fadine 20 mg tablets	**Zedex 20 mg tablets**	**Famotak 20 mg tablets**
Famotidine 20 mg sachets		
RANI-F 20 mg sachets		
Famotidine + Magnesium Hydroxide + Calcium Carbonate		
Gastracure chewable tab		
2X Action Antacid Acid Reducer Gastracure Rapid Action Formula Famotidine + Magnesium Hydroxide + Calcium Carbonate Chewable Tablets Long Lasting Relief Prevention and Relief from: Heartburn Indigestion Upset Stomach 4 Chewable Tablets		

b. Proton Pump Inhibitors

Omeprazole Lansoprazole Pantoprazole Rabeprazole Esomeprazole, Dexlansoprazole, Dexrabeprazole & Vonoprazan

- , should be administered 1 hour before a meal.

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